

Title (en)

WIRELESS POWER TRANSMISSION DEVICE AND CONTROL METHOD THEREFOR

Title (de)

VORRICHTUNG ZUR DRAHTLOSEN ENERGIEÜBERTRAGUNG UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)

DISPOSITIF DE TRANSMISSION D'ÉNERGIE SANS FIL ET SON PROCÉDÉ DE COMMANDE

Publication

**EP 3439144 A4 20190403 (EN)**

Application

**EP 17775856 A 20170330**

Priority

- US 201662315869 P 20160331
- KR 20160104168 A 20160817
- KR 2017003490 W 20170330

Abstract (en)

[origin: EP3439145A1] Provided is a wireless power transmission apparatus. A wireless power transmitter comprises: an antenna; a memory; and a processor, wherein the processor is set to control first reflection signal information on a pilot signal transmitted through the antenna at a first time point to be stored in the memory as reference information, to control second reflection signal information on the pilot signal transmitted through the antenna at a second time point to be compared with the reference information, and to determine, on the basis of the comparison result, a position of an object to be detected.

IPC 8 full level

**H02J 50/90** (2016.01); **G01S 7/41** (2006.01); **G06Q 20/32** (2012.01); **G07F 15/00** (2006.01); **H02J 7/02** (2016.01); **H02J 13/00** (2006.01); **H02J 50/12** (2016.01); **H02J 50/20** (2016.01); **H02J 50/40** (2016.01); **H02J 50/60** (2016.01); **H02J 50/80** (2016.01); **H04B 5/00** (2006.01); **H04B 7/00** (2006.01); **H04B 7/06** (2006.01); **H04B 17/10** (2015.01); **H04L 5/00** (2006.01); **H04W 4/02** (2018.01); **H04W 4/24** (2018.01); **H04W 36/08** (2009.01); **H04W 52/28** (2009.01); **H04W 52/42** (2009.01)

CPC (source: EP KR US)

**G01S 7/411** (2013.01 - KR); **G01S 13/42** (2013.01 - KR); **G06Q 20/3278** (2013.01 - EP); **G07F 15/006** (2013.01 - EP); **H02J 7/00034** (2020.01 - EP US); **H02J 7/00045** (2020.01 - KR); **H02J 13/00028** (2020.01 - EP US); **H02J 50/005** (2020.01 - KR); **H02J 50/20** (2016.02 - EP US); **H02J 50/23** (2016.02 - KR); **H02J 50/402** (2020.01 - EP US); **H02J 50/60** (2016.02 - KR); **H02J 50/80** (2016.02 - EP KR US); **H02J 50/90** (2016.02 - EP KR US); **H04B 5/72** (2024.01 - EP US); **H04B 5/79** (2024.01 - EP KR US); **H04B 7/0617** (2013.01 - EP); **H04B 17/101** (2015.01 - EP US); **H04L 5/0048** (2013.01 - EP US); **H04W 4/023** (2013.01 - EP US); **H04W 4/026** (2013.01 - EP US); **H04W 4/24** (2013.01 - EP); **H04W 36/08** (2013.01 - US); **H04W 52/283** (2013.01 - EP US); **H04W 52/42** (2013.01 - EP US); **G01S 7/411** (2013.01 - EP); **H02J 50/12** (2016.02 - EP US); **H02J 50/60** (2016.02 - EP US); **H04B 17/102** (2015.01 - EP US); **H04L 5/0023** (2013.01 - EP); **H04W 4/70** (2018.02 - EP US); **Y04S 50/12** (2013.01 - EP)

Citation (search report)

- [I] EP 2876771 A2 20150527 - PANASONIC CORP [JP]
- [I] EP 2876772 A1 20150527 - PANASONIC CORP [JP]
- [I] EP 2822146 A1 20150107 - CHUGOKU ELECTRIC POWER [JP]
- See also references of WO 2017171432A1

Cited by

US2022026549A1; US11802951B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3439145 A1 20190206**; **EP 3439145 A4 20190206**; **EP 3439145 B1 20200722**; EP 3439143 A2 20190206; EP 3439143 A4 20190206; EP 3439143 B1 20210505; EP 3439144 A1 20190206; EP 3439144 A4 20190403; EP 3439144 B1 20201104; KR 102574145 B1 20230905; KR 102592492 B1 20231023; KR 102607104 B1 20231129; KR 20170112896 A 20171012; KR 20170112899 A 20171012; KR 20170112900 A 20171012; KR 20170112934 A 20171012

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